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10 Cane. 1a 1a

Forms of disease with  
and the ant.



Application of the Doctrine of the  
Unity of disease.

11

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✓ Thus the ~~same~~ cord by being differently  
struck, excites a thousand different notes.  
are sometimes produced by the same num-  
ber of strokes upon a single cord. In  
short - there is scarcely any disease  
that is confined to any one portion of  
morbid excitement, although parts  
of the body are disposed = 70 72



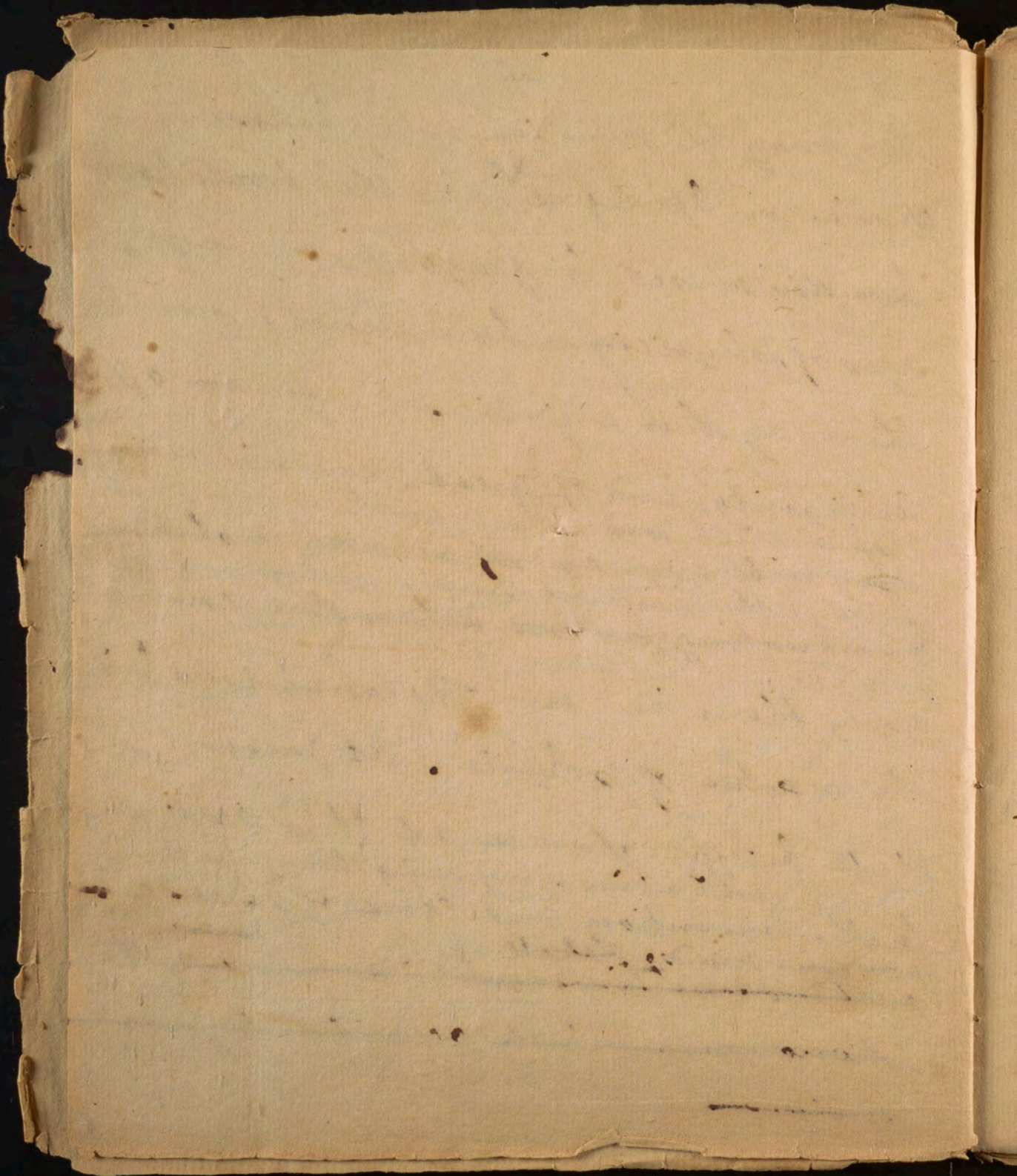
42 ~~V~~ 76<sup>th</sup> production of symptoms, of  
they may be seen in every disease in a  
greater or less degree. ~~And they would have~~  
~~been discovered long ago, had not the~~  
~~eyes of physicians been diverted from~~  
~~them by their prejudices in favor of~~

Antiquity, and of great names in medicine.  
Their truth ~~was~~ as well as their  
~~they will disappear of a very~~ revolutionary  
nature in the practice of medicine will appear more  
& interesting ~~features~~ when we come to  
apply them in our therapeutics, & in  
the practice of physic. At present I

shall briefly glance at their application  
with a view of impressing them more strongly  
to the prevention and cure of diseases  
upon your minds. I shall ~~at the same time explain some of the~~

~~phenomena which occur in the production~~  
~~of disease.~~







1 Does elevated, but regular excitement  
~~from~~ sometimes produce debility, Depression  
 and disease? and <sup>do</sup> we ~~of~~ more & then  
 hear persons say they were in unusual  
 health and spirits, just before they sickened?

- ~~Let~~ <sup>learn to</sup> let us consider this as an unsafe  
 state of the system, when it cannot be  
 accounted for from ordinary or accidental  
 stimuli, and let us ~~always~~ always  
 advise rest, or moderate depletion in or-  
 -der to prevent the system being carried  
 within a nearer state of predisposition to  
 disease, or into actual disease.

2 Is debility the predisposing Cause of all  
~~general~~ diseases which come on gradually?  
 - Let us remove it by some gentle



Find out diff. system

✓ Here being in preventing disease by  
removing local as well as general debility  
as in Tetanus - brains & after tapping.



Stimulus which shall barely raise the  
 System to healthy excitement, and thereby  
 prevent its being raised above it <sup>into disease</sup> by a  
 disproportionate instant, ~~into disease~~

3 Is the System in a more debilitated and  
 predisposed state to disease ~~in the~~ at midnight,  
 in the morning, and in the evening than  
 at any other time? Let us <sup>depend</sup> ~~justify~~ it at  
 those times with double care ~~from the~~  
 Action of the existing Causes of Disease.

4 Is Dyspepsia a link in the Chain of  
 Disease? Let us remove it by a gentle  
 Dose of physic, by Abstinence, or by the  
 loss of a few ounces of blood which will  
 enable the System to recover its ~~erect~~ or  
 natural state. They vicariously supply the ab=  
 straction of the Stimulus ~~which is beyond~~  
~~our power~~ and which produced the Dyspepsia,



It was very obvious in those persons in the year 1793 who added to low diet, and gentle doses of physic the pursuit of their ordinary employment. They generally escaped the fever of that year, ~~but~~ by expending their excitability, at the same time they reduced their excitement, while those who reduced their excitement by low diet & physic, ~~without~~ and remained at home, or unemployed more frequently suffered by the disease, and that in consequence of retaining their excitability constantly adhering to their Systems.

b. Is a Stricture State induced by the expenditure of excitability in chronic diseases? Let us explore it by Baths, ~~frictions~~ and other ~~critical~~ stimulant remedies.



79  
and which is beyond the <sup>reach of</sup> power of medicine.

5 Is an accumulation of excitability either general, or partial necessary to the production of disease after debility and depression have taken place? Let us advise the gradual expenditure of it, <sup>by</sup> such gentle exercises of body or mind as shall not act as irritants upon the system? — The effect of this advice

Is excitability after being suddenly converted into a <sup>or latent</sup> suppressed state by violent labor or exercise, suddenly evolved by rest? Let us advise its gradual expenditure by gradually ceasing from labor & exercise, and thus prevent its being acted upon by irritants so as to bring on disease.

Does disease consist in irregular action? and let our remedies be calculated to under



V we observe Chronic Diseases of all kinds to be  
preceded, ~~and~~ and followed by debility, so that  
the slightest irritants bring on Depression &  
Disease? Let us endeavour to prevent both,  
by advising the most exact Uniformity in Diet,  
Drinks, Sleep, Sleeping, waking, Study, business  
~~and~~ exercise, and climate so as to keep up  
an uniformity of existence in the system.

<sup>truth</sup>  
The ~~importance~~ of this remark did not  
escape Dr Sydenham; hence in advising  
exercise, ~~but~~ in Chronic ~~and~~ Diseases,  
he expressly says unless it be constant,  
it is so far from doing good, that it  
does harm. It is from the frequent  
risings and fallings of the system from the  
great Variableness of the weather in months,  
that Consumptions so often prove fatal

in that month. These frequent elevations  
and reductions of the system, bring it within  
striking distance of the Causes which



80

it regular, ~~moderated~~ by disposing the solids and fluids to move in their natural, and healthy order.

Q Does morbid Action <sup>at any time</sup> exceed in its force the natural actions of the body, and is it disproportionate to the existing causes which induce it? - Let us learn from hence the creapity and advantages of employing the different modes of depletion in the cure <sup>violent</sup> of diseases. - or on the other hand do

Q Is Disease partial? then let us direct our remedies in such a manner as to abstract excitement from the parts in which it is concentrated, and equilibre it by diffusing <sup>through</sup> it thro' every part of the system, particularly to ~~through~~ those parts which are in a state of ~~It are Disorders the effect of the Absence of~~ Debility or Depression. - ~~excitability and of the operation of morbid~~



induce an increase of morbid excitement in the lungs. They likewise thus dispose to

Other Diseases. — It was by the constancy of the labor of the soldiers of the armies of Greece & Rome — <sup>quint says they escaped the diseases of modern armies</sup> —  
11 V Do a languid pulse, and a sense of great

dequity depend upon oppression? Let us

remove it by depleting remedies, thereby ena-

ble the system to rise into <sup>healthy or</sup> morbid action

12 Do the remote causes of disease sometimes prostrate the system below the point of reaction from the use of depleting remedies? Let us excite it by powerful stimulating medicines.

+ This is most evident in fever, but it exists in all the other systems —



✓  
 13. ~~Do~~ ~~debility~~ Are Disorders the effects of the  
 absence of excitability, <sup>or</sup> ~~and~~ of the cessation  
 of morbid action, and do they constitute  
 general or local chronic debility, and derange-  
 -ment in the structure of certain parts of the  
 body? - Let us guard against this produc-  
 -tion in the excitable and morbid state of the  
 System by the use of ~~stimulating~~ <sup>depleting</sup>  
 or stimulating remedies, and when they <sup>are</sup>  
 formed, let us recollect that the chronic  
 use of the most powerful remedies will be  
 unavailing to <sup>remove</sup> ~~produce~~ them.

14. Is disease a Unit? <sup>†</sup> and does it consist  
 in morbid excitement, of an irregular nature  
 in a part of the body? - For example. Is  
 this morbid excitement seated in the pleura  
 or lungs? and do bleeding & other depleting

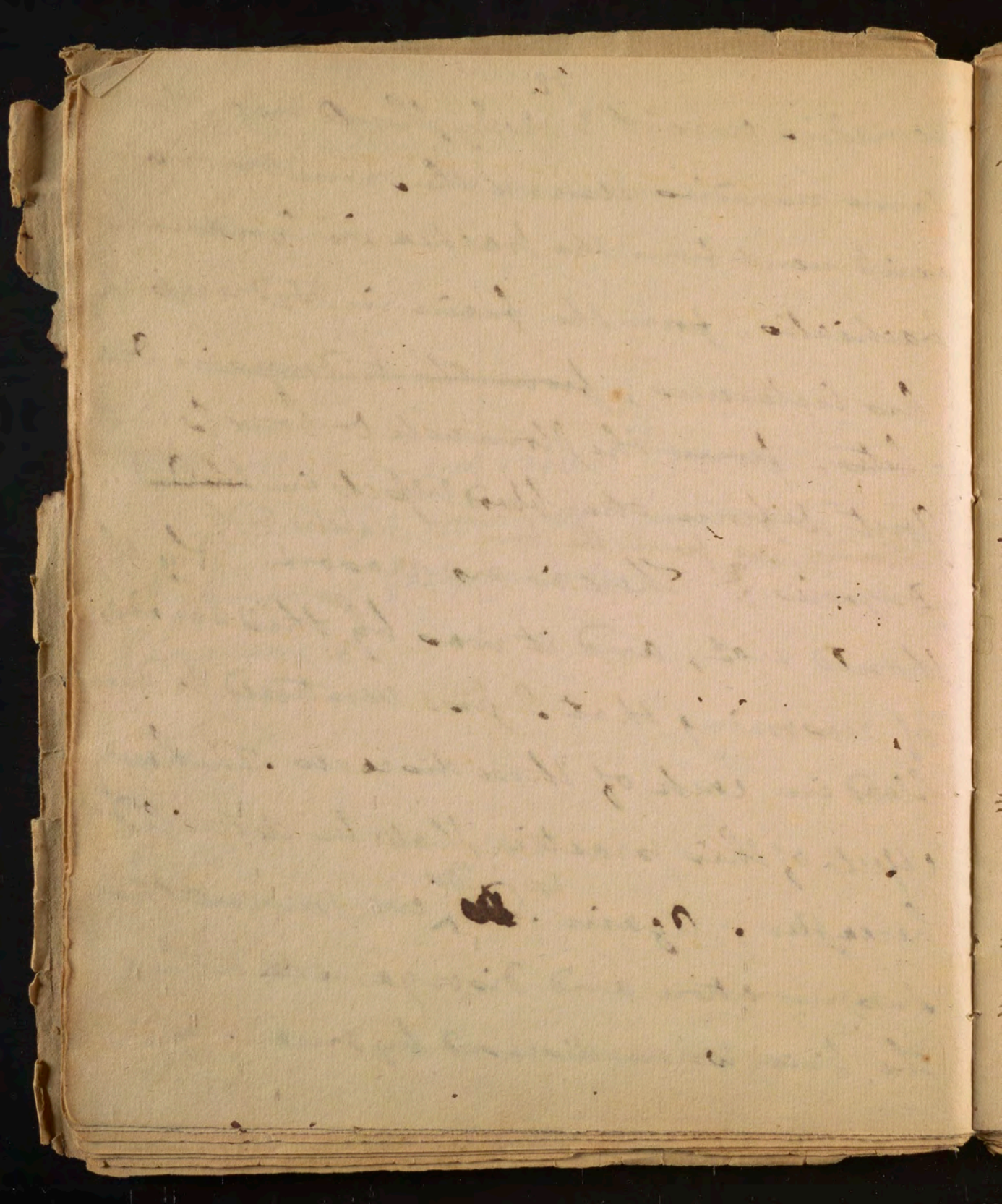


✓ In the blood vessels, nerves & muscles in  
Hydrophobia? ~~in the~~ <sup>here being in</sup>  
the ~~same~~ of Epilepsy - palsy - Apoplexy - and  
Convulsions -



remedies cure it? Why should not the  
same remedies remove the same morbid  
excrement from the trachea in Cynanche  
trachealis, from the brain in Hydrocephalus,  
- his intestines, ~~from the kidneys in Dia-~~  
- betes, from the stomach & bowels in the  
Gout, & from the blood vessels in <sup>general</sup> Dropsy,  
& from the liver in Diabetes? <sup>& V</sup>  
There is no reason, why they  
should not, and it was by this mode  
of reasoning that I first ventured to draw  
blood in each of those diseases. The happy  
effects of this practice shall be detailed  
hereafter. Again. <sup>Do</sup> we prevent the  
suppuration and disorganization of  
the liver when diseased by means of a







83 not

fabrations? Why should <sup>the</sup> same remedy  
Abstract ~~be used in~~ <sup>be used in</sup> Disease  
from the limbs in Rheumatism, from  
the stomach and bowels in Gout, Colic, Dy-  
-sentergy and yellow fever - from the brain  
in madness - from the <sup>liver</sup> Kidneys in Diabetes,  
& from the lungs in pulmonary Consump-  
-tion? There is no reason why they should  
not; - and it was under the influence of  
a belief in the Unity of Disease, that  
I first ventured to excite the same Vica-  
-rious Disease in the throat & mouth in  
each of those diseases? - Does inducing  
the System by purges and low Diet lessen  
the violence and danger of the small pox?  
- Why should they not lessen the violence



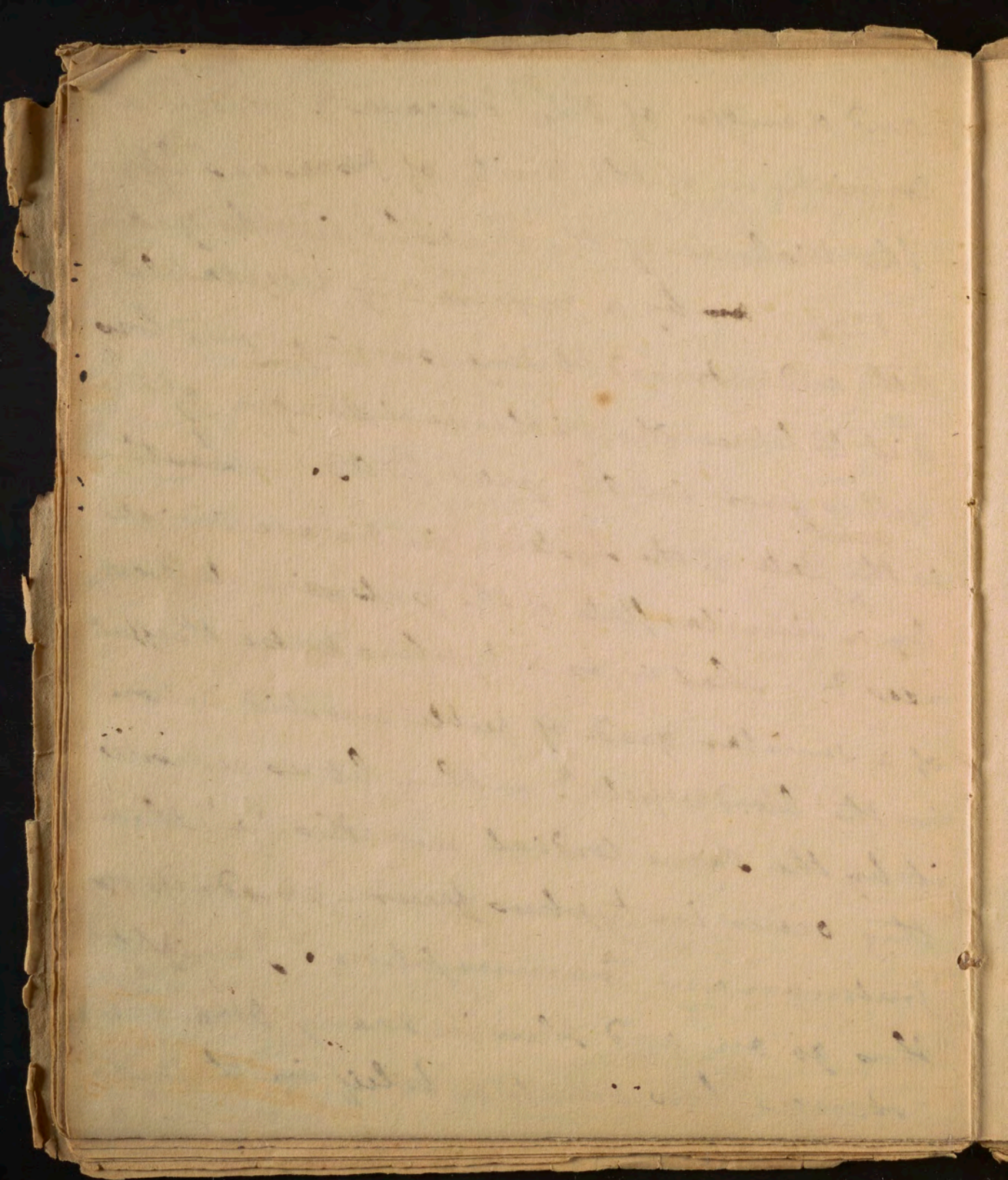
✓ ~~Health~~ Do we sometimes under a suffoc<sup>d</sup>  
disease visible to depletion ~ ~~the~~ ~~stomach~~

Do we ~~study~~ observe powers to be suff<sup>d</sup> in ~~the~~  
some of the viscera, and diffused by W? or Ob-  
=erve the same thing in certain diseases which  
affect the brain, nerves or muscles. Thus we



and danger of other diseases? Under a  
 conviction of the Unity of Disease, I opposed  
 the violence of the measles in the year  
 1782 ~~and~~ by a preparatory vegetable  
 Diet, and advised bleeding, purging, and low  
 Diet to lessen the violence & danger of the  
 yellow fever in the year 1793. — Lastly  
 is the <sup>exact</sup> state of the system in Disease, indicated  
 by a similar state of the pulse in all disea-  
 ses? — that is, is a typhus pulse the effect  
 of a similar grade of feeble morbid action  
 in the blood vessels? — then let us remove  
 it by the same cordial remedies whether  
 they occur in typhus fever — madness or  
 pulmonary Consumption. I might  
 thus go on and show in many other in-  
 stances how much a belief in the Unity

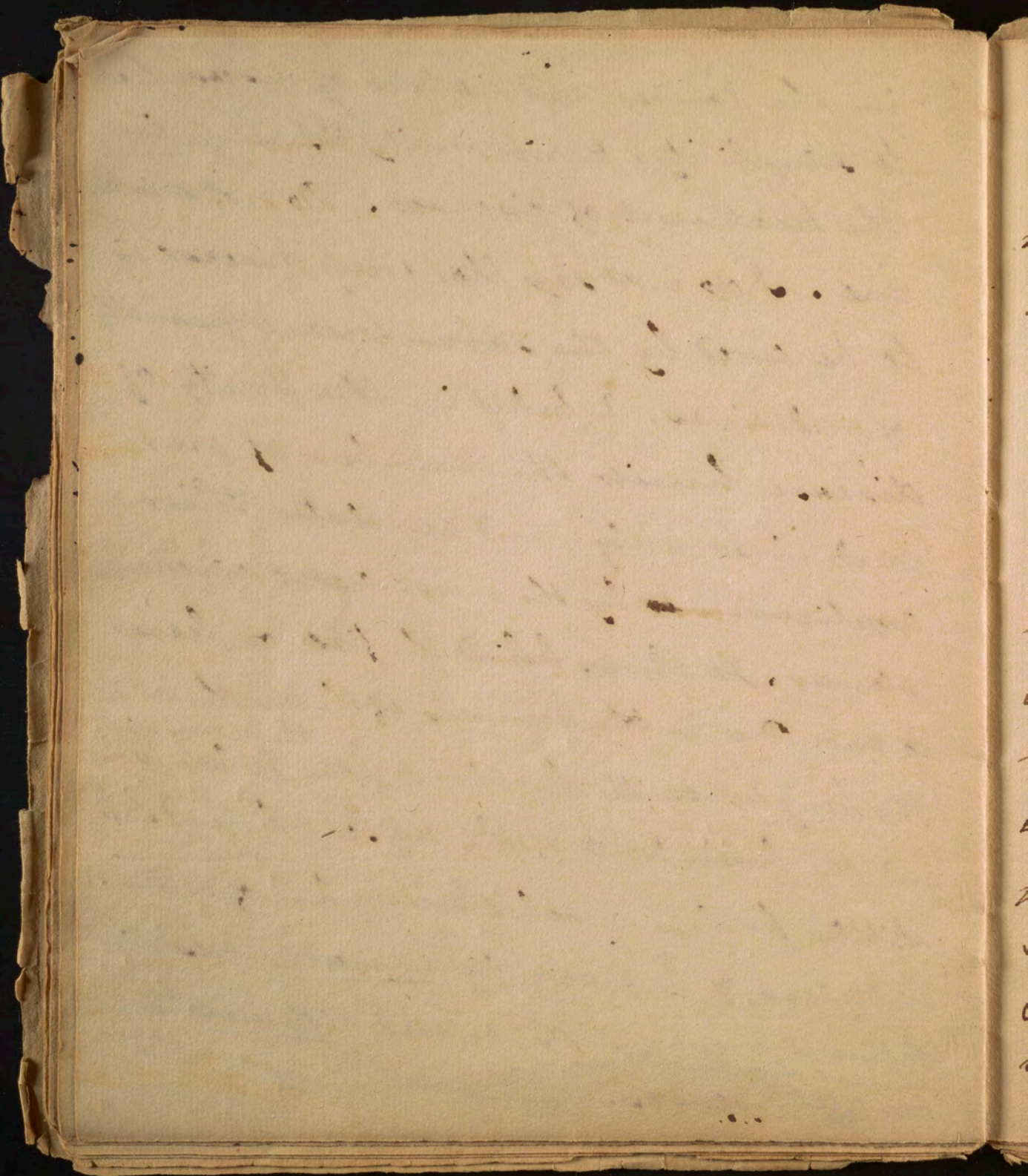






in the Causes, and nature of diseases leads  
 to simplicity, uniformity & recap in  
 the treatment of diseases. Do not mistake  
 me. I do not say that every disease is  
 to be cured by the same force, & quantity  
 of medicines. A belief in the Unity of  
 disease limits the number of our  
 medicines only, and regulates their  
 application ~~to~~ by the most exact circum-  
 stances. It throws behind the fire, or leaves  
 to moulder in the drawers of the apothecaries  
 the lung worts, the liver worts <sup>the womb worts</sup> - the spleen worts  
 and the brain worts of the old school, and sub-  
 stitutes for them a select number of active  
 medicines to be given in different doses, in  
different preparations, and at different times  
 in all diseases.

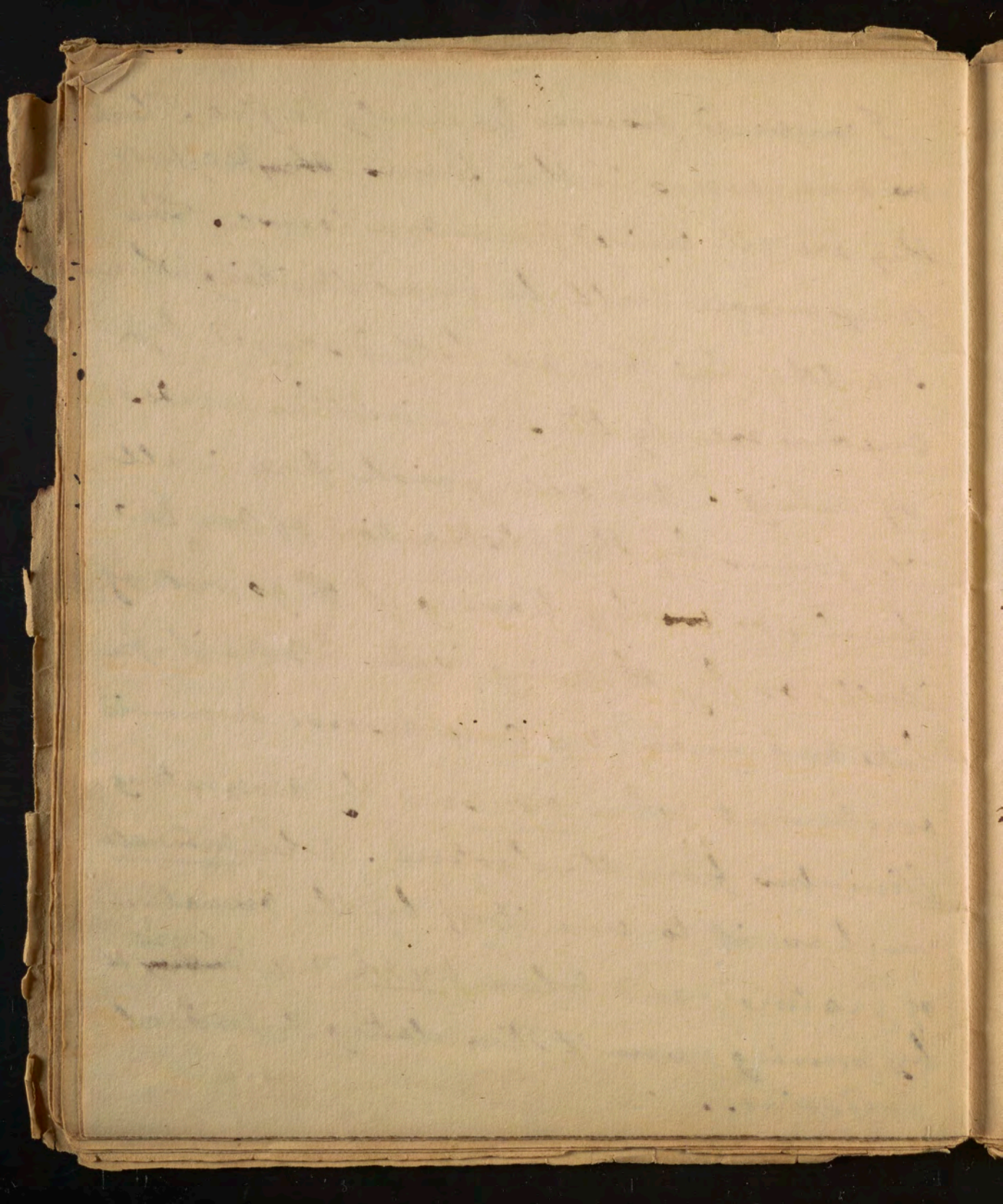






I compared diseases formerly to fire. Though  
 as numerous in their forms, ~~they~~ & effects  
 they are all derived from one Cause. The  
 comparison will be more striking when  
 I add, that they are both destroyed by  
 means nearly the same in their modes  
 of acting. We extinguish fire in all  
 its forms by the Abstraction of Air &  
 fuel, or ~~we~~ by having it to go out of  
 itself, or by throwing water upon it. In  
 like manner, we cure disease or morbid  
 excitement, when excessive by Abstracting  
 Stimulus from the System. When moderate  
 we leave it to cure itself by the Operations  
 of nature, and when weak we <sup>cure</sup> ~~destroy~~ it  
 by pouring upon it stimulating & cordial  
 Medicines. —

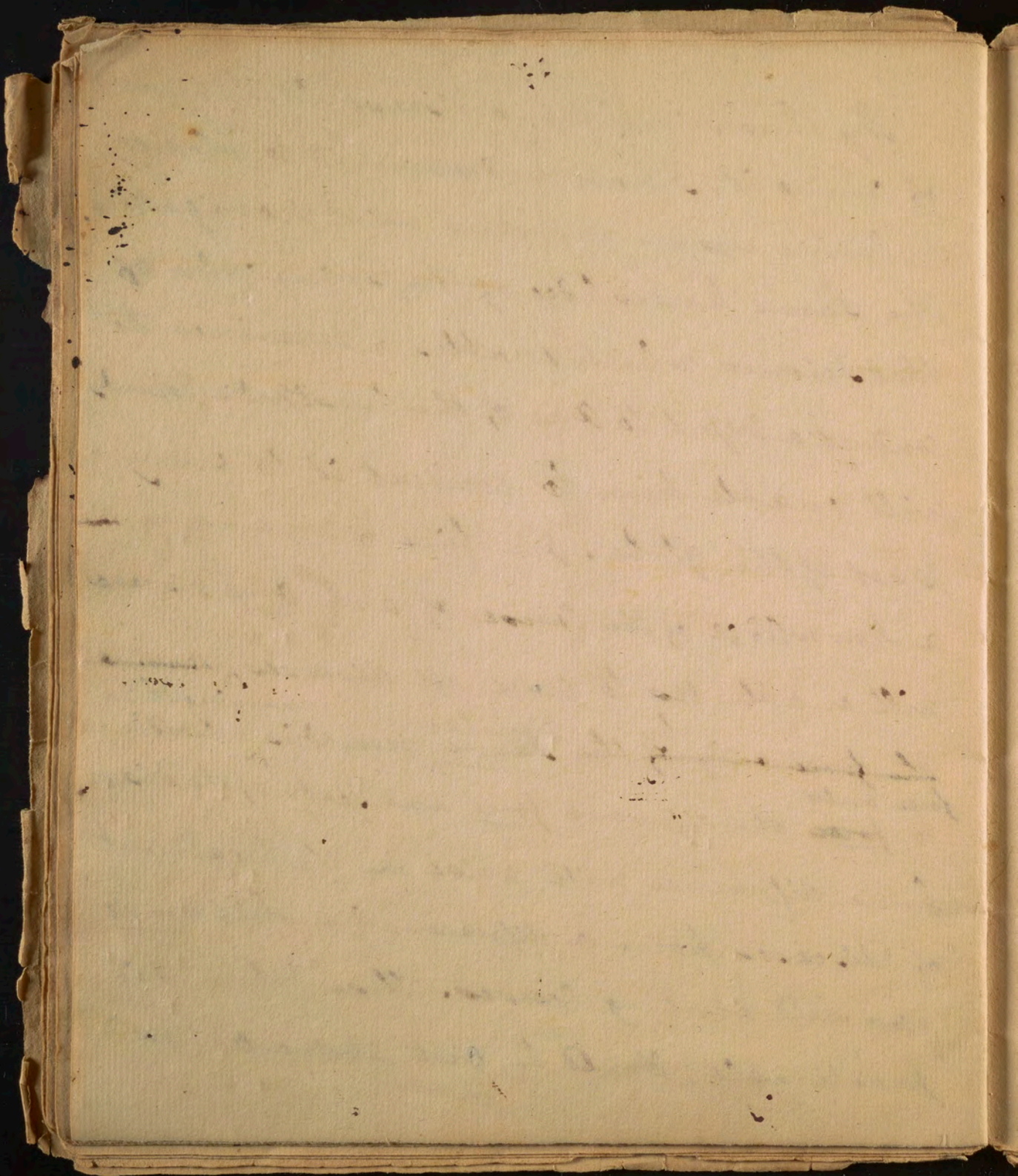






By thus simplifying disease, & the mode  
of curing it, I have endeavoured to place  
medicine upon a footing with navigation.  
The same knowledge of the principles of  
that science which enables a mariner to  
conduct a vessel to one of the West India Islands,  
will enable him to conduct it to every  
part of the globe. In like a manner, the  
a knowledge of the Cause of any one disease  
will enable us to cure all diseases, ~~varying~~  
~~the force only~~ <sup>by the similar</sup> ~~of the same~~ <sup>varying their</sup> remedies according  
<sup>force only</sup> to ~~force~~ the different force and seats of the disease.  
Some difference will arise in the treatment  
of diseases from a difference in their remote  
~~and~~ <sup>causes</sup> and exciting causes. Those, when it is  
practicable, should be first abstracted, and



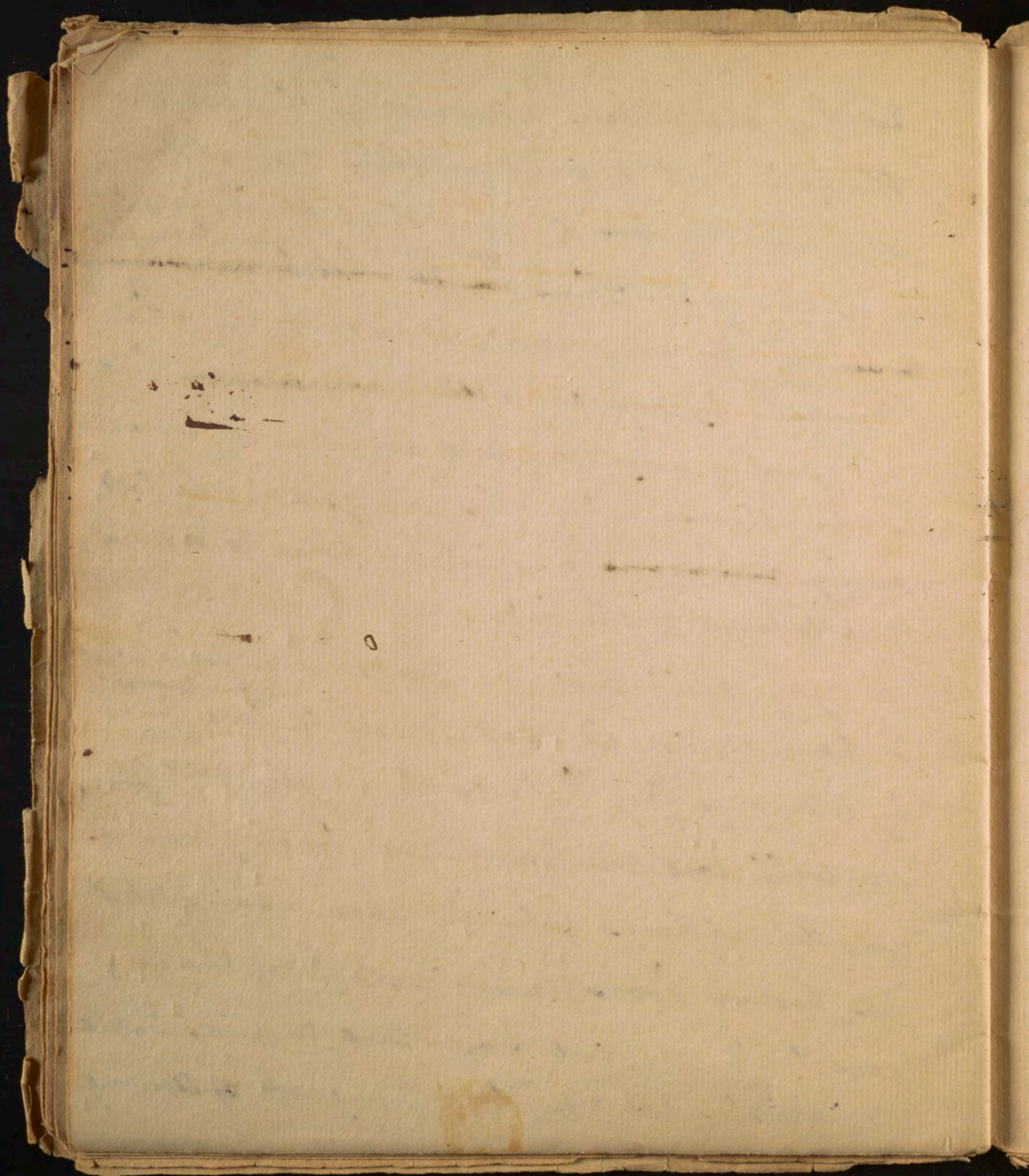




as they are widely different in their nature,  
 though but a Unit in their operation,  
 different modes of removing them will  
 be necessary. - Thus <sup>we cure a fever brought</sup> ~~as it will be necessary~~  
~~to be~~ on by indigestible Aliment in the  
 Stomach by an emetic, ~~and employ~~ but  
 we employ very different remedies to cure the  
 same disease when it is brought on by Cold,  
 or by ~~various~~ an injury done to an ex-  
 citable part of the body.

You will perceive gentlemen from what  
 I have delivered, that you will <sup>in one respect</sup> lose more  
 by attending <sup>these</sup> ~~my~~ lectures than you will gain.  
 You will lose an immense load of names  
 and definitions which you have picked  
 up from books, and instead of them,  
 you will receive from me a few simple  
 principles which the youngest of among







89  
you may understand, ~~and which are cal-~~  
~~-culated to incorporate themselves with~~  
~~your reason, where they will remain &~~  
~~as long as you live. They are intended~~  
~~not, your reasoning alone, but~~  
~~to occupy your intellectual powers, and~~  
~~not to continue to regulate your practice~~  
~~as long as you live). In short I have~~  
assigned to empty your pockets of a ~~load~~<sup>load</sup> of  
jingling cents, and to give you the amount  
of them in a few silver dollars.



11 I mentioned formerly that the Obstructions  
which induced it generally began in the Spine,  
and that the blood flowed slower in the inflamed  
part than beyond it. The impetus which moves  
the blood vessels in inflammation is below the obstructed part.  
It is the cause of petechiae on the Skin, and  
~~It is the cause of malignant fevers in~~ of bloody  
Urine - in ~~the~~ malignant fevers. In  
inflammation: the Action of = go to p: 92.

v are affected at the same time. ~~in this~~  
~~is not in~~ ~~the blood vessels~~ In fevers in which  
Disease is seated principally in the blood  
vessels, the first effect observed from them  
is  $\left\{ \begin{array}{l} \text{said to be disease - and - effects of it.} \end{array} \right.$

Echinism



Let us next enquire into the effects of disease. These will be different, according to the ~~nature~~ nature of the system in which disease is seated, or according to the number of the systems that ~~is~~ <sup>are</sup> affected. ~~the first of these~~ is Inflammation, of this we have spoken before that is an effusion of red blood into ~~veins~~ vessels. These vessels are sometimes so much distended with blood as to project above the surface of the parts to which they belong. This is obvious in Ophthalmia in which they are perceptible to the naked eye of a physician upon the ball of the eye. They are perceptible likewise to the patient who suffers under that disease. They create a sensation which is ascribed to sand, or dirt between the eyelid & the eye. Again, these serum vessels are sometimes ruptured in inflammation & pour forth red blood. This has been observed in the inflammation of the eyes which takes place in yellow fever. It takes place likewise in Dysentery, and in







those malignant fevers which are accom-  
 -panied with petechiae upon the skin,  
 bloody urine, melaena, and a vomiting  
 of blood. In inflammation the action of  
 diseased parts is said to be increased, but  
 some late observations & experiments made  
 by Professor Berlingherii, and some others, &  
 since repeated by Dr Wilson of Edin: & Dr  
 Stevens of New York, ~~that~~ it appears that  
 the circulation is more languid in the  
 inflamed parts than in the healthy parts.  
 The increased action of the blood vessels is  
 in the parts above or below the seat of in-  
 -flammation. It is induced by obstruction  
 or the stagnation of the blood in the veins.  
~~This~~ This is proved not only by microscopic  
 -cal observations but by the black color



